Creative Enzymes®

glutamate-tRNA ligase

Cat. No. EXWM-5648

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in 3 metabolic pathways: glutamate metabolism, porphyrin and chlorophyll metabolism, and aminoacyl-trna biosynthesis.
Synonyms	glutamyl-tRNA synthetase; glutamyl-transfer ribonucleate synthetase; glutamyl-transfer RNA synthetase; glutamyl-transfer ribonucleic acid synthetase; glutamate-tRNA synthetase; glutamic acid translase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.17
CAS No.	9068-76-2
Reaction	ATP + L-glutamate + tRNAGlu = AMP + diphosphate + L-glutamyl-tRNAGlu
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.